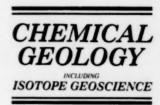


Chemical Geology 127 (1996) 351-352



Contents Volume 127

VOL. 127, NOS. 1-3

Research Papers	
Lithospheric to asthenospheric transition in Low-Ti flood basalts from southern Paraná, Brazil	
D.W. Peate and C.J. Hawkesworth	1
Geochemical constraints on the genesis of Hercynian two-mica leucogranites from the Massif Central, France	
B.J. Williamson, A. Shaw, H. Downes and M.F. Thirlwall	25
An experimentally based model for the origin of tonalitic and trondhjemitic melts	
K.T. Winther	43
Ultrahigh- $\epsilon_{\rm Nd}$ eclogites from an ultrahigh-pressure metamorphic terrane of China	
B. Jahn, J. Cornichet, B. Cong and TF. Yui	61
Evolution of synmetamorphic veins and their wallrocks through a Western Alps transect: no evidence for large-scale fluid flow. Stable isotope, major- and trace-element systematics	
C. Henry, M. Burkhard and B. Goffé	81
Isotope systematics in vein gold from Brusson, Val d'Ayas (NW Italy), 1. Pb/Pb evidence for a Piemonte metaophiolite Au source	01
T. Pettke and R. Frei	111
Barite fronts in continental margin sediments: A new look at barium remobilization in the zone of sulfate reduction and formation of	111
heavy barites in diagenetic fronts	
M.E. Torres, H.J. Brumsack, G. Bohrmann and K.C. Emeis	125
The anhydrite saturation index of the ponded brines and sediment pore waters of the Red Sea deeps	140
C. Monnin and C. Ramboz	141
Chemical weathering of metamorphic rocks from low elevations in the southern Himalaya	171
R. Gardner and N. Walsh	161
Oxygen isotope fractionations involving apatites: Application to paleotemperature determination	101
YF. Zheng	177
11. Zircig	1//
Isotope Geoscience Section	
Research Papers	
Ion microprobe dating of Paleozoic granitoids: Devonian magmatism in New Zealand and correlations with Australia and Antarctica	
R.J. Muir, T.R. Ireland, S.D. Weaver and J.D. Bradshaw	191
⁴⁰ Ar- ³⁹ Ar dating of the quartz samples from two mineral deposits in western Yunnan (SW China) by crushing in vacuum	
HN. Qiu	211
Experimental investigation of sulphur isotopic fractionation between dissolved and gaseous H ₂ S	
J. Szaran	223
SHRIMP S-isotope evidence for fluid mixing during gold mineralization in a slate-belt gold deposit (Hill End, New South Wales, Australia)	
J. Lu, P.K. Seccombe and C. Stewart Eldridge	229
A boron isotopic study of a mineralogically zoned lacustrine borate deposit: the Kramer deposit, California, U.S.A.	
G.H. Swihart, E.H. McBay, D.H. Smith and J.W. Siefke	241
Erratum	
Erratum to "Annealing kinetics of fission tracks in zircon: an experimental study" [Chem. Geol. 122 (1995) 249-258]	
R. Yamada, T. Tagami, S. Nishimura and H. Ito	251

VOL. 127, NO. 4

Research papers	
Does Zr-F "complexation" occur in magmas	
F. Farges	253
The helium and carbon isotope systematics of a continental geothermal system: results from monitoring studies at Long Valley caldera (California, U.S.A.)	
D.R. Hilton	269
Constraints on the thermal history of Taylorsville Basin, Virginia, U.S.A., from fluid-inclusion and fission-track analyses: implications for subsurface geomicrobiology experiments	
HY. Tseng, T.C. Onstott, R.C. Burruss and D.S. Miller	297
Major-ion geochemistry and mineralogy of the Salt Lake (Tuz Gölü) basin, Turkey	
M. Zeki Camur and H. Mutlu	313
Compatible real-time rates of mineral dissolution by Atomic Force Microscopy (AFM)	
P.M. Dove and F.M. Platt	331
X-ray absorption studies of metal complexes in aqueous solution at elevated temperatures	
J.F.W. Mosselmans , P.F. Schofield , J.M. Charnock , C.D. Garner , R.A.D. Pattrick and D.J. Vaughan	339
Contents Volume 127	351